

item provisions include, but are not limited to, the following:

(1) Payment for work zone traffic control features and operations shall not be incidental to the contract, or included in payment for other items of work not related to traffic control and safety;

(2) As a minimum, separate pay items shall be provided for major categories of traffic control devices, safety features, and work zone safety activities, including but not limited to positive protection devices, and uniformed law enforcement activities when funded through the project;

(3) For method based specifications, the specifications and other PS&E documents should provide sufficient details such that the quantity and types of devices and the overall effort required to implement and maintain the TMP can be determined;

(4) For method-based specifications, unit price pay items, lump sum pay items, or a combination thereof may be used;

(5) Lump sum payment should be limited to items for which an estimate of the actual quantity required is provided in the PS&E or for items where the actual quantity required is dependent upon the contractor's choice of work scheduling and methodology;

(6) For Lump Sum items, a contingency provision should be included such that additional payment is provided if the quantity or nature of the required work changes, either an increase or decrease, due to circumstances beyond the control of the contractor;

(7) Unit price payment should be provided for those items over which the contractor has little or no control over the quantity, and no firm estimate of quantities is provided in the PS&Es, but over which the highway agency has control of the actual quantity to be required during the project;

(8) Specifications should clearly indicate how placement, movement/relocation, and maintenance of traffic control devices and safety features will be compensated; and

(9) The specifications should include provisions to require and enforce contractor compliance with the contract provisions relative to implementation

and maintenance of the project TMP and related traffic control items. Enforcement provisions may include remedies such as liquidated damages, work suspensions, or withholding payment for noncompliance.

§630.1110 Maintenance of temporary traffic control devices.

To provide for the continued effectiveness of temporary traffic control devices, each agency shall develop and implement quality guidelines to help maintain the quality and adequacy of the temporary traffic control devices for the duration of the project. Agencies may choose to adopt existing quality guidelines such as those developed by the American Traffic Safety Services Association (ATSSA) or other state highway agencies.¹ A level of inspection necessary to provide ongoing compliance with the quality guidelines shall be provided.

PART 633—REQUIRED CONTRACT PROVISIONS

Subpart A—Federal-Aid Construction Contracts (Other Than Appalachian Contracts)

Sec.

633.101 Purpose.

633.102 Applicability.

633.103 Regulatory authority.

633.104 Availability.

¹The American Traffic Safety Services Association's (ATSSA) Quality Guidelines for Work Zone Traffic Control Devices uses photos and written descriptions to help judge when a traffic control device has outlived its usefulness. These guidelines are available for purchase from ATSSA through the following URL: http://www.atssa.com/store/bc_item_detail.jsp?productId=1.

Similar guidelines are available from various State highway agencies. The Illinois Department of Transportation "Quality Standards for Work Zone Traffic Control Devices" is available online at <http://dot.state.il.us/workzone/wztc2004r.pdf>. The Minnesota Department of Transportation "Quality Standards—Methods to determine whether the various traffic control devices are Acceptable, Marginal, or Unacceptable" is available online at <http://www.dot.state.mn.us/trafficeng/otepubl/fieldmanual2007/FM-2007-QualityStandards.pdf>.